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NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
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NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
                  saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
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NEWS 17 Aug 08 PHARMAMarketLetter (PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
                  now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
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=> s tnf (p) receptor (p) releas? (p) enzyme (p) screen?

L1 1 TNF (P) RECEPTOR (P) RELEAS? (P) ENZYME (P) SCREEN?

=> s tnf (p) receptor (p) releas? (p) enzyme

L2 512 TNF (P) RECEPTOR (P) RELEAS? (P) ENZYME

=> s tnf (s) receptor (s) releas? (s) enzyme

L3 418 TNF (S) RECEPTOR (S) RELEAS? (S) ENZYME

=> s tnf (a) receptor (a) releas? (a) enzyme

L4 7 TNF (A) RECEPTOR (A) RELEAS? (A) ENZYME

=> s TRRE

L5 11 TRRE

=> s l4 or l5

MISSING OPERATOR L4 OF  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s l4 or l5

L6 13 L4 OR L5

=> dup rem 16

PROCESSING COMPLETED FOR L6  
L7 9 DUP REM L6 (4 DUPLICATES REMOVED)

=> d 17

L7 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
1

AN 2001:514535 BIOSIS  
DN PREV200100514535  
TI Partial amino acid sequences of human TNF receptor  
releasing enzyme.  
AU Saganuma, Toshiyuki (1)  
CS (1) Department of Biochemistry I, National Defense Medical College,  
Tokorozawa, Saitama, 359-8513 Japan  
SO Boei Ika Daigakko Zasshi, (March, 2001) Vol. 26, No. 1, pp. 11-21.  
print.  
ISSN: 0385-1796.  
DT Article  
LA English  
SL English; Japanese

=> d 17 total ibib kwic

L7 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
1  
ACCESSION NUMBER: 2001:514535 BIOSIS  
DOCUMENT NUMBER: PREV200100514535  
TITLE: Partial amino acid sequences of human TNF  
receptor releasing enzyme.  
AUTHOR(S): Saganuma, Toshiyuki (1)  
CORPORATE SOURCE: (1) Department of Biochemistry I, National Defense Medical  
College, Tokorozawa, Saitama, 359-8513 Japan  
SOURCE: Boei Ika Daigakko Zasshi, (March, 2001) Vol. 26, No. 1,  
pp.  
11-21. print.  
ISSN: 0385-1796.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English; Japanese  
TI Partial amino acid sequences of human TNF receptor  
releasing enzyme.  
AB. . . of 30 and 40 kD sTNF-R by proteolytic cleavage of TNF-R protein.  
The molecule with this enzymatic activity was termed TNF  
receptor releasing enzyme (TRRE).  
Here we purified human TRRE from the supernatant of  
PMA-stimulated THP-1 cells. The partial amino acid sequences of human  
TRRE revealed no complete identity to any other sequences in  
databases. However, one of them showed 46% amino acid identity to. . .  
surface antigen named MS2 (classified as ADAM8, ADAM: the proteins with a  
disintegrin and metalloproteinase domain). This result suggests that  
TRRE belongs to the ADAM family and is a separate molecule from  
human TNF-alpha converting enzyme (TACE), which has 29% amino. . .  
IT factor receptors; tumor necrosis factor receptor [TNF receptor];  
extracellular domain, proteolytic cleavage, transmembrane domain;  
tumor necrosis factor receptor releasing enzyme [TRRE]: ADAM family  
member, amino acid sequence; tumor necrosis factor-alpha [TNF-alpha];  
tumor necrosis factor-alpha converting enzyme

L7 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:736749 CAPLUS  
DOCUMENT NUMBER: 132:2794  
TITLE: Modulators affecting tumor necrosis factor  
receptor-releasing enzyme activity  
INVENTOR(S): Gatanaga, Tetsuya; Granger, Gale A.  
PATENT ASSIGNEE(S): The Regents of the University of California, USA  
SOURCE: PCT Int. Appl., 106 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION: .

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958559	A2	19991118	WO 1999-US10793	19990514
WO 9958559	A3	20000120		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2328133	AA	19991118	CA 1999-2328133	19990514
AU 9939960	A1	19991129	AU 1999-39960	19990514
BR 9910458	A	200010102	BR 1999-10458	19990514
EP 1076710	A2	200010221	EP 1999-923115	19990514
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002514402	T2	20020521	JP 2000-548361	19990514
US 2002091243	A1	20020711	US 2000-752639	20001229
PRIORITY APPLN. INFO.: US 1998-81385 A 19980514 WO 1999-US10793 W 19990514 US 2000-712813 A1 20001113				

AB The biol. effects of the cytokine tumor necrosis factor (TNF) are mediated

by binding to receptors on the surface of cells. Nine new proteins and polynucleotides are provided that promote enzymic cleavage and release of TNF receptors. The isolated polynucleotides have the following properties: (a) the sequence is expressed at the mRNA level in Jurkat T cells; (b) when COS-1 cells expressing TNF-receptor are genetically transformed to express the sequence, the cells have increased enzymic activity for cleaving and releasing the receptor. Also provided are screening methods for identifying addnl. compds. that influence TNF receptor shedding. TRRE activity alleviates septic shock and decreases tumor necrotizing activity, and the modulator expression products are effective in treating septic shock. As active ingredients in

a pharmaceutical compn., the products of this invention increase or decrease TNF signal transduction, thereby alleviating the pathol. of disease.

ST tumor necrosis factor receptor releasing enzyme modulator; sequence TNF receptor releasing enzyme cDNA  
human; signal transduction TNF modulator screening; Jurkat cell TNF receptor releasing enzyme modulator

L7 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:324897 CAPLUS  
DOCUMENT NUMBER: 129:13976  
TITLE: Isolated tumor necrosis factor receptor releasing enzyme and pharmaceutical compositions comprising the enzyme  
INVENTOR(S): Granger, Gale A.; Gatanaga, Tetsuya  
PATENT ASSIGNEE(S): Regents of the University of California, USA;  
Granger,  
SOURCE: Gale A.; Gatanaga, Tetsuya  
PCT Int. Appl., 109 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9820140	A1	19980514	WO 1997-US19930	19971105
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9851621	A1	19980529	AU 1998-51621	19971105
AU 744873	B2	20020307		
EP 938548	A1	19990901	EP 1997-946457	19971105
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
BR 9712900	A	20001128	BR 1997-12900	19971105
JP 2001508648	T2	20010703	JP 1998-521643	19971105
KR 2000053073	A	20000825	KR 1999-703993	19990504
NO 9902187	A	19990701	NO 1999-2187	19990505

## PRIORITY APPLN. INFO.:

US 1996-30761P P 19961106  
WO 1997-US19930 W 19971105

**AB** A human tumor necrosis factor receptor releasing enzyme (**TRRE**) is prep'd. from a cultured human cell line THP-1 (human monocytic leukemia)

stimulated with PMA and characterized. The native form of **TRRE** exhibits a mol. wt. of 120 kDa on SDS-PAGE. Its enzyme activity is sensitive to metalloprotease inhibitor, but not to serine or cysteine protease inhibitor. A compn. contg. **TRRE** for treating a disease assoc'd. with altered levels of tumor necrosis factor is also described. Also claimed are methods of (1) diagnosing and treating cancer or inflammation assoc'd. with TNF and (2) administration of pharmaceutical compns. contg. **TRRE**. Preferably, the **TRRE** activity is regulated local to the site of the condition to be treated. In the case of diseases

assoc'd. with elevated levels of TNF, such as rheumatoid arthritis, **TRRE** is administered to the site of inflammation in an amt. sufficient to decrease the local levels of TNF. In the case of diseases, such as cancer, that benefit from increased levels of TNF, the level of **TRRE** is decreased at the disease site.

**ST** tumor necrosis factor receptor releasing enzyme; **TNF receptor releasing enzyme therapeutic diagnostic**

L7 ANSWER 4 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:310251 BIOSIS

DOCUMENT NUMBER: PREV199699032607

TITLE: **TNF-receptor releasing**

**enzyme is secreted by PMA-stimulated THP-1 cell line.**

AUTHOR(S): Park, M.; Katsura, K.; Gatanaga, M.; Granger, G.; Gatanaga,

T.

CORPORATE SOURCE: Univ. Calif., Irvine, Dep. Mol. Biol. Biochem., Irvine, CA 92715 USA

SOURCE: FASEB Journal, (1996) Vol. 10, No. 6, pp. A1484.

Meeting Info.: Joint Meeting of the American Society for Biochemistry and Molecular Biology, the American Society for Investigative Pathology and the American Association of

of

Immunologists New Orleans, Louisiana, USA June 2-6, 1996  
ISSN: 0892-6638.

DOCUMENT TYPE: Conference

LANGUAGE: English

• TI TNF-receptor releasing enzyme is secreted by PMA-stimulated THP-1 cell line.

L7 ANSWER 5 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:257458 BIOSIS  
DOCUMENT NUMBER: PREV199698813587  
TITLE: Identification and characterization of soluble TNF receptor releasing enzyme (TRRE) from PMA-stimulated human monocytic THP-1 cells.  
AUTHOR(S): Katsura, K. (1); Park, M. (1); Gatanaga, M. (1); Takishima, K.; Granger, G. A. (1); Gatanaga, T. (1)  
CORPORATE SOURCE: (1) Univ. Calif., Irvine, CA USA  
SOURCE: Proceedings of the American Association for Cancer Research Annual Meeting, (1996) Vol. 37, No. 0, pp. 492.  
Meeting Info.: 87th Annual Meeting of the American Association for Cancer Research Washington, D.C., USA

April

20-24, 1996  
ISSN: 0197-016X.

DOCUMENT TYPE: Conference  
LANGUAGE: English  
TI Identification and characterization of soluble TNF receptor releasing enzyme (TRRE) from PMA-stimulated human monocytic THP-1 cells.

L7 ANSWER 6 OF 9 MEDLINE DUPLICATE 2  
ACCESSION NUMBER: 96222497 MEDLINE  
DOCUMENT NUMBER: 96222497 PubMed ID: 8670199  
TITLE: Identification of the proteolytic enzyme which cleaves human p75 TNF receptor in vitro.  
AUTHOR: Katsura K; Park M; Gatanaga M; Yu E C; Takishima K; Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717-3900, USA.  
SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 May 15) 222 (2) 298-302.  
Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199608  
ENTRY DATE: Entered STN: 19960819  
Last Updated on STN: 20000303  
Entered Medline: 19960806

AB . . . fragments, respectively. In this study, the enzymatic activity involved in the cleavage of human p75 TNF-R, named TNF-R releasing enzyme (TRRE), was identified in the culture supernatant of PMA-stimulated THP-1 cells using an activity assay system established by our group. When THP-1 cells were stimulated with PMA, TRRE was released rapidly into the supernatant, reaching maximal activity within 3 hours. The release of TRRE into the culture supernatant depended on the concentration of PMA and FCS. TRRE activity was partially inhibited by chelating agents, suggesting that TRRE may be a metallo-protease-like enzyme. This is the first successful attempt to establish a stable TRRE source with a reliable assay system.

L7 ANSWER 7 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:351439 BIOSIS  
DOCUMENT NUMBER: PREV199699073795  
TITLE: TNF-receptor releasing enzyme is secreted by PMA-stimulated THP-1 cell

AUTHOR(S) : Gatanaga, T.; Katsura, K.; Par~~M.~~; Gatanaga, M.;  
Granger,  
G.  
CORPORATE SOURCE: Univ. California Irvine, Dep. Mol. Biol., Irvine, CA 92715  
USA  
SOURCE: European Cytokine Network, (1996) Vol. 7, No. 2, pp. 166.  
Meeting Info.: 6th International Tumor Necrosis Factor  
Congress Rhodes, Greece May 8-12, 1996  
ISSN: 1148-5493.  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
TI TNF-receptor releasing enzyme is  
secreted by PMA-stimulated THP-1 cell line.

L7 ANSWER 8 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1993:227104 BIOSIS  
DOCUMENT NUMBER: PREV199395118279  
TITLE: Do birch trees (*Betula pendula*) grow better if foraged by  
wood ants.  
AUTHOR(S) : Mahdi, T.; Whittaker, J. B.  
CORPORATE SOURCE: Biological Sci. Div., Inst. Environmental and Biological  
Sci., Univ. Lancaster, Lancaster LA1 4YQ UK  
SOURCE: Journal of Animal Ecology, (1993) Vol. 62, No. 1, pp.  
101-116.  
ISSN: 0021-8790.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
AB. . . of the insect herbivore community on *Betula pendula* is markedly  
changed by *F. rufa* predation, the effect of this on tree growth  
is slight.

L7 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1985:1908 CAPLUS  
DOCUMENT NUMBER: 102:1908  
TITLE: The tolerance of tree lucerne to some soil-applied  
herbicide  
AUTHOR(S) : Hurrell, G. A.; Bourdot, G. W.  
CORPORATE SOURCE: Agric. Res. Div., MAF, Lincoln, N. Z.  
SOURCE: Proc. N. Z. Weed Pest Control Conf. (1984), 37th,  
210-12  
CODEN: PZWPAL; ISSN: 0370-2804  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT Plant growth and development  
(by tree lucerne, soil-applied herbicides effect on)

=> s gatanaga/au

L8 0 GATANAGA/AU

=> s granger/au

L9 0 GRANGER/AU

=> s granger?/au

L10 8680 GRANGER?/AU

=> s gatanaga?/au

L11 218 GATANAGA?/AU

=> s l10 and l11

L12 122 L10 AND L11

=> s gatanaga t /au

L13 118 GATANAGA T

=> s granger g a /au

L14 450 GRANGER G A

=> s l13 and l14

L15 73 L13 AND L14

=> dup rem l15

PROCESSING COMPLETED FOR L15

L16 38 DUP REM L15 (35 DUPLICATES REMOVED)

=> d l16 ibib

L16 ANSWER 1 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:300898 BIOSIS

DOCUMENT NUMBER: PREV199699023254

TITLE: Serum TNF-alpha and TNF soluble receptors in inflammatory bowel disease.

AUTHOR(S): Procaccino, F. (1); Hwang, C.; Gatanaga, T.;

Patel, A. (1); Eysselein, V. E. (1); Granger, G. A.

CORPORATE SOURCE: (1) Inflammatory Bowel Dis. Cent., Harbor-UCLA Med. Cent., Torrance, CA USA

SOURCE: Gastroenterology, (1996) Vol. 110, No. 4 SUPPL., pp. A995.

Meeting Info.: 96th Annual Meeting of the American Gastroenterological Association and the Digestive Disease Week San Francisco, California, USA May 19-22, 1996

ISSN: 0016-5085.

DOCUMENT TYPE: Conference

LANGUAGE: English

=> d l16 total ibib

L16 ANSWER 1 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:300898 BIOSIS

DOCUMENT NUMBER: PREV199699023254

TITLE: Serum TNF-alpha and TNF soluble receptors in inflammatory bowel disease.

AUTHOR(S): Procaccino, F. (1); Hwang, C.; Gatanaga, T.;

Patel, A. (1); Eysselein, V. E. (1); Granger, G. A.

CORPORATE SOURCE: (1) Inflammatory Bowel Dis. Cent., Harbor-UCLA Med. Cent., Torrance, CA USA

SOURCE: Gastroenterology, (1996) Vol. 110, No. 4 SUPPL., pp. A995.

Meeting Info.: 96th Annual Meeting of the American Gastroenterological Association and the Digestive Disease Week San Francisco, California, USA May 19-22, 1996

ISSN: 0016-5085.

DOCUMENT TYPE: Conference

LANGUAGE: English

L16 ANSWER 2 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:257458 BIOSIS

DOCUMENT NUMBER: PREV199698813587

TITLE: Identification and characterization of soluble TNF receptor

releasing enzyme (TRRE) from PMA-stimulated human  
monocytic THP-1 cells.  
Katsura, K. (1); Park, M. (1); Gatanaga, M. (1);  
K.; Granger, G. A. (1); Gatanaga, T. (1)  
(1) Univ. Calif., Irvine, CA USA

CORPORATE SOURCE: Proceedings of the American Association for Cancer Research  
SOURCE: Annual Meeting, (1996) Vol. 37, No. 0, pp. 492.  
Proceedings of the American Association for Cancer Research Washington, D.C., USA

April  
20-24, 1996  
ISSN: 0197-016X.

DOCUMENT TYPE: Conference  
LANGUAGE: English

L16 ANSWER 3 OF 38 MEDLINE DUPLICATE 1  
ACCESSION NUMBER: 96222497 MEDLINE  
DOCUMENT NUMBER: 96222497 PubMed ID: 8670199  
TITLE: Identification of the proteolytic enzyme which cleaves  
human p75 TNF receptor in vitro.  
AUTHOR: Katsura K; Park M; Gatanaga M; Yu E C; Takishima K;  
Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California, Irvine 92717-3900, USA.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996  
May 15) 222 (2) 298-302.  
Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199608  
ENTRY DATE: Entered STN: 19960819  
Last Updated on STN: 20000303  
Entered Medline: 19960806

L16 ANSWER 4 OF 38 MEDLINE DUPLICATE 2  
ACCESSION NUMBER: 96258290 MEDLINE  
DOCUMENT NUMBER: 96258290 PubMed ID: 8660816  
TITLE: Prostaglandin-E2 regulation of tumor necrosis factor  
receptor release in human monocytic THP-1 cells.  
AUTHOR: Choi S S; Gatanaga M; Granger G A; Gatanaga  
T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California-Irvine, Irvine, California 92717,  
USA.  
SOURCE: CELLULAR IMMUNOLOGY, (1996 Jun 15) 170 (2) 178-84.  
Journal code: 1246405. ISSN: 0008-8749.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199608  
ENTRY DATE: Entered STN: 19960822  
Last Updated on STN: 19960822  
Entered Medline: 19960809

L16 ANSWER 5 OF 38 MEDLINE DUPLICATE 3  
ACCESSION NUMBER: 96075714 MEDLINE  
DOCUMENT NUMBER: 96075714 PubMed ID: 7584672  
TITLE: Spontaneous release of interleukin-6 by primary cultures  
of lymphoid and tumor cell populations purified from human

AUTHOR: ovarian carcinoma.  
Burger R A; Grosen E A; Ioli G R; Van Eden M E; Park M;  
Berman M L; Manetta A; Disaia P J; Granger G A;  
**Gatanaga T**

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California, Irvine 92717, USA.

SOURCE: JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, (1995 Mar) 15  
(3) 255-60.  
Journal code: 9507088. ISSN: 1079-9907.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199512  
ENTRY DATE: Entered STN: 19960124  
Last Updated on STN: 19970203  
Entered Medline: 19951206

L16 ANSWER 6 OF 38 MEDLINE DUPLICATE 4

ACCESSION NUMBER: 95047799 MEDLINE  
DOCUMENT NUMBER: 95047799 PubMed ID: 7959299  
TITLE: Host-tumor interaction in ovarian cancer. Spontaneous release of tumor necrosis factor and interleukin-1 inhibitors by purified cell populations from human ovarian carcinoma in vitro.  
AUTHOR: Burger R A; Grosen E A; Ioli G R; Van Eden M E; Brightbill H D; Gatanaga M; DiSaia P J; Granger G A;  
**Gatanaga T**

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California at Irvine 92717.

SOURCE: GYNECOLOGIC ONCOLOGY, (1994 Nov) 55 (2) 294-303.  
Journal code: 0365304. ISSN: 0090-8258.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199412  
ENTRY DATE: Entered STN: 19950110  
Last Updated on STN: 19970203  
Entered Medline: 19941227

L16 ANSWER 7 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1994:379682 BIOSIS  
DOCUMENT NUMBER: PREV199497392682  
TITLE: 75-kDa TNF receptor mediates aggregation of human T-LAK cells in vitro.  
AUTHOR(S): Abe, Y. (1); Kimura, K. (1); Kimura, S. (1); **Gatanaga, T.; Granger, G. A.**  
CORPORATE SOURCE: (1) Second Dep. Surg., Ehime Univ. Sch. Med., Shigenobu, Ehime 791-02 Japan  
SOURCE: European Cytokine Network, (1994) Vol. 5, No. 2, pp. 141.  
Meeting Info.: 5th International Congress on Tumor Necrosis  
Factor Monterey, California, USA May 30-June 3, 1994  
ISSN: 1148-5493.

DOCUMENT TYPE: Conference  
LANGUAGE: English

L16 ANSWER 8 OF 38 MEDLINE DUPLICATE 5

ACCESSION NUMBER: 94044788 MEDLINE  
DOCUMENT NUMBER: 94044788 PubMed ID: 8228252  
TITLE: Mechanism of release of soluble forms of tumor necrosis factor/lymphotoxin receptors by phorbol myristate acetate-stimulated human THP-1 cells in vitro.  
AUTHOR: Hwang C; Gatanaga M; Granger G A; **Gatanaga T**

CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California at Irvine 92717.  
SOURCE: JOURNAL OF IMMUNOLOGY, (1993 Nov 15) 151 (10) 5631-8.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199312  
ENTRY DATE: Entered STN: 19940117  
Last Updated on STN: 20000303  
Entered Medline: 19931210

L16 ANSWER 9 OF 38 MEDLINE DUPLICATE 6  
ACCESSION NUMBER: 93267109 MEDLINE  
DOCUMENT NUMBER: 93267109 PubMed ID: 8098725  
TITLE: Role of 55- and 75-kDa tumor necrosis factor membrane receptors in the regulation of intercellular adhesion molecules-1 expression by HL-60 human promyelocytic leukemia cells in vitro.  
AUTHOR: Abe Y; Gatanaga M; Osuka Y; Kimura S; Burger R A;  
**Granger G A; Gatanaga T**  
CORPORATE SOURCE: Molecular Biology and Biochemistry, University of California, Irvine 92717-3900.  
SOURCE: JOURNAL OF IMMUNOLOGY, (1993 Jun 1) 150 (11) 5070-9.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199306  
ENTRY DATE: Entered STN: 19930702  
Last Updated on STN: 19970203  
Entered Medline: 19930622

L16 ANSWER 10 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1994:89561 BIOSIS  
DOCUMENT NUMBER: PREV199497102561  
TITLE: Original of released tumor necrosis factor and soluble tumor necrosis factor receptors in ovarian carcinoma.  
AUTHOR(S): Burger, R. A.; Grosen, E. A.; Gatanaga, M.; Disaia, P. J.; Berman, M. L.; Manetta, A.; **Granger, G. A.**; **Gatanaga, T.**  
CORPORATE SOURCE: University California, Irvine, Irvine, CA 92717-3900 USA  
SOURCE: Lymphokine and Cytokine Research, (1993) Vol. 12, No. 5, pp. 380.  
Meeting Info.: Combined Meeting of the 8th International Lymphokine Workshop and the 4th International Workshop on Cytokines: Lymphokines and Cytokines from Clone to Clinic Osaka, Japan October 17-21, 1993  
ISSN: 1056-5477.  
DOCUMENT TYPE: Conference  
LANGUAGE: English

L16 ANSWER 11 OF 38 MEDLINE DUPLICATE 7  
ACCESSION NUMBER: 93323479 MEDLINE  
DOCUMENT NUMBER: 93323479 PubMed ID: 8392647  
TITLE: Hypoxia induces a human macrophage cell line to release tumor necrosis factor-alpha and its soluble receptors in vitro.  
AUTHOR: Scannell G; Waxman K; Kaml G J; Ioli G; **Gatanaga T**; Yamamoto R; **Granger G A**  
CORPORATE SOURCE: Department of Surgery, University of California, Irvine 92717.  
SOURCE: JOURNAL OF SURGICAL RESEARCH, (1993 Apr) 54 (4) 281-5.  
Journal code: 0376340. ISSN: 0022-4804.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199308  
ENTRY DATE: Entered STN: 19930826  
Last Updated on STN: 19970203  
Entered Medline: 19930816

L16 ANSWER 12 OF 38 MEDLINE DUPLICATE 8  
ACCESSION NUMBER: 94083459 MEDLINE  
DOCUMENT NUMBER: 94083459 PubMed ID: 8260536  
TITLE: The role of lymphotoxin in the IL-2-driven differentiation of human lymphokine-activated T-killer (T-LAK) cells in vitro.  
AUTHOR: Abe Y; Van Eden M; Gatanaga M; Wang F I; Brightbill H D;  
Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California, Irvine 92717.  
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1993 Oct) 12 (5)  
279-83.  
Journal code: 9107882. ISSN: 1056-5477.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199401  
ENTRY DATE: Entered STN: 19940209  
Last Updated on STN: 19970203  
Entered Medline: 19940125

L16 ANSWER 13 OF 38 MEDLINE DUPLICATE 9  
ACCESSION NUMBER: 94032768 MEDLINE  
DOCUMENT NUMBER: 94032768 PubMed ID: 8218597  
TITLE: Release of soluble TNF/LT receptors from a human ovarian tumor cell line (PA-1) by stimulation with cytokines in vitro.  
AUTHOR: Gatanaga M; Grosen E A; Burger R A; Granger G A;  
Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California, Irvine 92717.  
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1993 Aug) 12 (4)  
249-53.  
Journal code: 9107882. ISSN: 1056-5477.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199312  
ENTRY DATE: Entered STN: 19940117  
Last Updated on STN: 19970203  
Entered Medline: 19931203

L16 ANSWER 14 OF 38 MEDLINE DUPLICATE 10  
ACCESSION NUMBER: 94033152 MEDLINE  
DOCUMENT NUMBER: 94033152 PubMed ID: 8218941  
TITLE: Tumour necrosis factor (TNF) binding proteins (soluble TNF receptor forms) with possible roles in inflammation and malignancy.  
AUTHOR: Olsson I; Gatanaga T; Gullberg U; Lantz M;  
Granger G A  
CORPORATE SOURCE: Division of Hematology, Department of Medicine, Lund,  
Sweden.  
SOURCE: EUROPEAN CYTOKINE NETWORK, (1993 May-Jun) 4 (3) 169-80.  
Ref: 88  
Journal code: 9100879. ISSN: 1148-5493.

PUB. COUNTRY: France  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199312  
ENTRY DATE: Entered STN: 19940117  
Last Updated on STN: 19940117  
Entered Medline: 19931207

L16 ANSWER 15 OF 38 MEDLINE DUPLICATE 11  
ACCESSION NUMBER: 93351929 MEDLINE  
DOCUMENT NUMBER: 93351929 PubMed ID: 8394276  
TITLE: Measurement of the soluble membrane receptors for tumor necrosis factor and lymphotoxin in the sera of patients with gynecologic malignancy.  
AUTHOR: Grosen E A; Granger G A; Gatanaga M; Ininns E K;  
Hwang C; DiSaia P; Berman M; Manetta A; Emma D;  
**Gatanaga T**  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of California Irvine 92717-3900.  
SOURCE: GYNECOLOGIC ONCOLOGY, (1993 Jul) 50 (1) 68-77.  
Journal code: 0365304. ISSN: 0090-8258.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199309  
ENTRY DATE: Entered STN: 19931001  
Last Updated on STN: 19931001  
Entered Medline: 19930916

L16 ANSWER 16 OF 38 MEDLINE DUPLICATE 12  
ACCESSION NUMBER: 92191877 MEDLINE  
DOCUMENT NUMBER: 92191877 PubMed ID: 1312427  
TITLE: Growth of the endometrial adenocarcinoma cell line AN3 CA is modulated by tumor necrosis factor and its receptor is up-regulated by estrogen in vitro.  
AUTHOR: Ininns E K; Gatanaga M; Cappuccini F; Dett C A; Yamamoto R S; Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology, University of California, Irvine 92717.  
SOURCE: ENDOCRINOLOGY, (1992 Apr) 130 (4) 1852-6.  
Journal code: 0375040. ISSN: 0013-7227.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199204  
ENTRY DATE: Entered STN: 19920509  
Last Updated on STN: 19970203  
Entered Medline: 19920422

L16 ANSWER 17 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1992:292304 BIOSIS  
DOCUMENT NUMBER: BR43:4654  
TITLE: MECHANISMS OF RELEASE OF SOLUBLE TNF MEMBRANE RECEPTORS BY HUMAN THP-1 CELLS IN-VITRO.  
AUTHOR(S): HWANG C; GATANAGA M; GRANGER G A; GATANAGA T  
CORPORATE SOURCE: DEP. MOLECULAR BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE, CALIF.  
SOURCE: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY (FASEB) PART II, ANAHEIM, CALIFORNIA, USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J, (1992)

6 (5), A1607.  
CODEN: FAJOEC. ISSN: 0892-6638  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 18 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1992:271065 BIOSIS  
DOCUMENT NUMBER: BR42:130015  
TITLE: THE ROLE OF IL-4 IL-6 TNF AND LT IN THE PROLIFERATION  
DIFFERENTIATION AND CYTOTOXIC EFFECTIVENESS OF HUMAN T-LAK  
CELLS.  
AUTHOR(S): ININNS E K; DETT C A; YAMAMOTO R S; GATANAGA M;  
GRANGER G A; GATANAGA T  
CORPORATE SOURCE: DEP. MOL. BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE, CALIF.  
92717.  
SOURCE: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR  
EXPERIMENTAL BIOLOGY (FASEB), PART 1, ANAHEIM, CALIFORNIA,  
USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J,  
(1992)

6 (4), A1336.  
CODEN: FAJOEC. ISSN: 0892-6638.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 19 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1992:271064 BIOSIS  
DOCUMENT NUMBER: BR42:130014  
TITLE: LYMPHOTOXIN LT SYSTEM OF HUMAN LYMPHOKINE ACTIVATED T  
KILLER T-LAK CELLS STUDIES ON MEMBRANE ASSOCIATED AND  
SOLUBLE SECRETED LYMPHOTOXIN.  
AUTHOR(S): ABE Y; GRANGER G A; GATANAGA T  
CORPORATE SOURCE: DEP. MOL. BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE, CALIF.  
92717.  
SOURCE: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR  
EXPERIMENTAL BIOLOGY (FASEB), PART 1, ANAHEIM, CALIFORNIA,  
USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J,  
(1992)

6 (4), A1336.  
CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 20 OF 38 MEDLINE  
ACCESSION NUMBER: 93042824 MEDLINE  
DOCUMENT NUMBER: 93042824 PubMed ID: 1421001  
TITLE: The autocrine role of tumor necrosis factor in the  
proliferation and functional differentiation of human  
lymphokine-activated T killer cells (T-LAK) in vitro.  
AUTHOR: Innins E K; Gatanaga M; Van Eden M; Knudsen K L;  
Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California, Irvine 92717.  
SOURCE: CYTOKINE, (1992 Sep) 4 (5) 391-6.  
Journal code: 9005353. ISSN: 1043-4666.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199212  
ENTRY DATE: Entered STN: 19930122  
Last Updated on STN: 19930122  
Entered Medline: 19921204

L16 ANSWER 21 OF 38 MEDLINE DUPLICATE 13  
ACCESSION NUMBER: 93120302 MEDLINE  
DOCUMENT NUMBER: 93120302 PubMed ID: 1335764  
TITLE: Blocking factors (soluble membrane receptors) for tumor necrosis factor and lymphotoxin detected in ascites and released in short-term cultures obtained from ascites and solid tumors in women with gynecologic malignancy.  
AUTHOR: Grosen E A; Yamamoto R S; Ioli G; Ininns E K; Gatanaga M;  
Gatanaga T; DiSaia P J; Berman M; Manetta A;  
Granger G A  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of California Irvine 92717-3900.  
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1992 Dec) 11 (6)  
347-53.  
JOURNAL CODE: 9107882. ISSN: 1056-5477.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199302  
ENTRY DATE: Entered STN: 19930226  
Last Updated on STN: 19970203  
Entered Medline: 19930211

L16 ANSWER 22 OF 38 MEDLINE DUPLICATE 14  
ACCESSION NUMBER: 93104306 MEDLINE  
DOCUMENT NUMBER: 93104306 PubMed ID: 1467364  
TITLE: Transforming growth factor-beta 1 down-regulates expression of membrane-associated lymphotoxin and secretion of soluble lymphotoxin by human lymphokine-activated killer T cells in vitro.  
AUTHOR: Abe Y; Miyake M; Osuka Y; Kimura S; Granger G A;  
Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.  
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1992 Oct) 11 (5)  
245-51.  
JOURNAL CODE: 9107882. ISSN: 1056-5477.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199301  
ENTRY DATE: Entered STN: 19930212  
Last Updated on STN: 19930212  
Entered Medline: 19930125

L16 ANSWER 23 OF 38 MEDLINE DUPLICATE 15  
ACCESSION NUMBER: 92363282 MEDLINE  
DOCUMENT NUMBER: 92363282 PubMed ID: 1500017  
TITLE: Trafficking of syngeneic murine lymphokine activated killer T cells following intraperitoneal administration in normal and tumor bearing mice.  
AUTHOR: Cappuccini F; Lucci J A 3rd; Dett C A; Gatanaga M; Ininns E; Gatanaga T; Yamamoto R S; Manetta A; DiSaia P J; Granger G A  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of California, Irvine 92717.  
SOURCE: GYNECOLOGIC ONCOLOGY, (1992 Aug) 46 (2) 163-9.  
JOURNAL CODE: 0365304. ISSN: 0090-8258.  
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199209  
ENTRY DATE: Entered STN: 19920925  
Last Updated on STN: 19970203  
Entered Medline: 19920917

L16 ANSWER 24 OF 38 MEDLINE DUPLICATE 16  
ACCESSION NUMBER: 92256569 MEDLINE  
DOCUMENT NUMBER: 92256569 PubMed ID: 1581418  
TITLE: Studies of membrane-associated and soluble (secreted) lymphotoxin in human lymphokine-activated T-killer cells  
in vitro.  
AUTHOR: Abe Y; Horiuchi A; Osuka Y; Kimura S; Granger G A ; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California-Irvine 92717.  
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1992 Apr) 11 (2) 115-21.  
Journal code: 9107882. ISSN: 1056-5477.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199206  
ENTRY DATE: Entered STN: 19920626  
Last Updated on STN: 19920626  
Entered Medline: 19920617

L16 ANSWER 25 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS  
INC.DUPLICATE  
17  
ACCESSION NUMBER: 1992:270227 BIOSIS  
DOCUMENT NUMBER: BR42:129177  
TITLE: LYMPHOTOXIN MACROPHAGE TOXINS TUMOR NECROSIS FACTOR AND CACHECTIN.  
AUTHOR(S): GRANGER G A; YAMAMOTO R; GATANAGA T; CAPPUCCINI F; JEFFES E W B; JAKOWATZ J  
CORPORATE SOURCE: DEP. MOL. BIOL. BIOCHEM., UNIV. CALIF., MEMORIAL CANCER INST., 447 STEINHAUS HALL, IRVINE, CALIF. 92717, USA.  
SOURCE: OSAWA, T. AND B. BONAVIDA (ED.). TUMOR NECROSIS FACTOR: STRUCTURE-FUNCTION RELATIONSHIP AND CLINICAL APPLICATION; 3RD INTERNATIONAL CONFERENCE ON TUMOR NECROSIS FACTOR AND RELATED CYTOKINES, MAKUHARI, JAPAN, NOVEMBER 21-25, 1990. IX+291P. S. KARGER AG: BASEL, SWITZERLAND; NEW YORK, NEW YORK, USA. ILLUS, (1992) 0 (0), 25-33.  
ISBN: 3-8055-5458-3.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 26 OF 38 MEDLINE DUPLICATE 18  
ACCESSION NUMBER: 91132017 MEDLINE  
DOCUMENT NUMBER: 91132017 PubMed ID: 1847164  
TITLE: Enhancement of lymphokine-activated T killer cell tumor necrosis factor receptor mRNA transcription, tumor necrosis factor receptor membrane expression, and tumor necrosis factor/lymphotoxin release by IL-1 beta, IL-4, and IL-6 in vitro.  
AUTHOR: Dett C A; Gatanaga M; Ininns E K; Cappuccini F; Yamamoto R S; Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology & Biochemistry, University of California Irvine 92717.

SOURCE: JOURNAL OF IMMUNOLOGY, (1991 May 1) 146 (5) 1522-6.  
PUB. COUNTRY: Journal code: 2985117R. ISSN: 0021-1767.  
DOCUMENT TYPE: United States  
LANGUAGE: Journal; Article; (JOURNAL ARTICLE)  
FILE SEGMENT: English  
ENTRY MONTH: Abridged Index Medicus Journals; Priority Journals  
199103  
ENTRY DATE: Entered STN: 19910405  
Last Updated on STN: 19910405  
Entered Medline: 19910319

L16 ANSWER 27 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1992:22314 BIOSIS  
DOCUMENT NUMBER: BR42:10014  
TITLE: A 20AA SYNTHETIC PEPTIDE OF A REGION FROM THE 55 KD HUMAN  
TNF RECEPTOR INHIBITS CYTOLYTIC AND BINDING ACTIVITIES OF  
RECOMBINANT TNF IN-VITRO.  
AUTHOR(S): HWANG C; GATANAGA M; ININNS E K; YAMAMOTO R S; GRANGER  
G A; GATANAGA T  
CORPORATE SOURCE: DEP. MOL. BIOL. BIOCHEM., UNIV. CALIF., IRVINE, CALIF.  
SOURCE: THIRD INTERNATIONAL WORKSHOP ON CYTOKINES, STRESA, ITALY,  
NOVEMBER 10-14, 1991. CYTOKINE, (1991) 3 (5), 475.  
CODEN: CYTIE9. ISSN: 1043-4666.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 28 OF 38 MEDLINE DUPLICATE 19  
ACCESSION NUMBER: 91355387 MEDLINE  
DOCUMENT NUMBER: 91355387 PubMed ID: 1653048  
TITLE: Identification of tumor necrosis factor and lymphotoxin  
blocking factor(s) in the ascites of patients with  
advanced  
and recurrent ovarian cancer.  
AUTHOR: Cappuccini F; Yamamoto R S; DiSaia P J; Grosen E A;  
Gatanaga M; Lucci J A; Ininns E K; Gatanaga T;  
Granger G A  
CORPORATE SOURCE: Department of Obstetrics and Gynecology, University of  
California, Irvine 92717.  
SOURCE: LYMPHOKINE AND CYTOKINE RESEARCH, (1991 Jun) 10 (3) 225-9.  
Journal code: 9107882. ISSN: 1056-5477.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199110  
ENTRY DATE: Entered STN: 19911027  
Last Updated on STN: 19980206  
Entered Medline: 19911007

L16 ANSWER 29 OF 38 MEDLINE DUPLICATE 20  
ACCESSION NUMBER: 92052300 MEDLINE  
DOCUMENT NUMBER: 92052300 PubMed ID: 1682934  
TITLE: A 20 amino acid synthetic peptide of a region from the 55  
kDa human TNF receptor inhibits cytolytic and binding  
activities of recombinant human tumour necrosis factor in  
vitro.  
AUTHOR: Hwang C D; Gatanaga M; Innins E K; Yamamoto R S;  
Granger G A; Gatanaga T  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry,  
University of California, Irvine 92717.  
SOURCE: PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON. SERIES B:  
BIOLOGICAL SCIENCES, (1991 Aug 22) 245 (1313) 115-9.  
Journal code: 7505889. ISSN: 0962-8452.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199112  
ENTRY DATE: Entered STN: 19920124  
Last Updated on STN: 19980206  
Entered Medline: 19911210

L16 ANSWER 30 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1991:539696 BIOSIS  
DOCUMENT NUMBER: BR41:129431  
TITLE: THE AUTOCRINE ROLE OF TUMOR NECROSIS FACTOR AND LYMPHOTOXIN  
IN THE PROLIFERATION AND DIFFERENTIATION OF HUMAN LYMPHOKINE ACTIVATED T KILLER CELLS T-LAK IN-VITRO.  
ININNS E K; GATANAGA M; YAMAMOTO R S; GRANGER G A ; GATANAGA T  
CORPORATE SOURCE: DEP. MOL. BIOL. BIOCHEM., UNIV. CALIFORNIA, IRVINE, CALIF. 92717.  
SOURCE: TWENTY-EIGHTH NATIONAL MEETING OF THE SOCIETY FOR LEUKOCYTE  
BIOLOGY AND THE TWENTY-FIRST LEUKOCYTE CULTURE CONFERENCE, ASPEN, COLORADO, USA, SEPTEMBER 28-OCTOBER 1, 1991. J LEUKOCYTE BIOL, (1991) 0 (SUPPL 2), 99-100.  
CODEN: JLBIE7. ISSN: 0741-5400.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 31 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1991:539679 BIOSIS  
DOCUMENT NUMBER: BR41:129414  
TITLE: A 20AA SYNTHETIC PEPTIDE OF A REGION FROM THE 55 KD HUMAN TNF RECEPTOR INHIBITS CYTOLYTIC AND BINDING ACTIVITIES OF RECOMBINANT HUMAN TNF IN-VITRO.  
AUTHOR(S): HWANG C; GATANAGA M; ININNS E K; YAMAMOTO R S; GRANGER G A; GATANAGA T  
CORPORATE SOURCE: BIOCHEM. MOLECULAR BIOL. AND BIOCHEM., UNIV. CALIF., IRVINE, CALIF.  
SOURCE: TWENTY-EIGHTH NATIONAL MEETING OF THE SOCIETY FOR LEUKOCYTE  
BIOLOGY AND THE TWENTY-FIRST LEUKOCYTE CULTURE CONFERENCE, ASPEN, COLORADO, USA, SEPTEMBER 28-OCTOBER 1, 1991. J LEUKOCYTE BIOL, (1991) 0 (SUPPL 2), 95.  
CODEN: JLBIE7. ISSN: 0741-5400.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 32 OF 38 MEDLINE DUPLICATE 21  
ACCESSION NUMBER: 92005726 MEDLINE  
DOCUMENT NUMBER: 92005726 PubMed ID: 1655285  
TITLE: The regulation of TNF receptor mRNA synthesis, membrane expression, and release by PMA- and LPS-stimulated human monocytic THP-1 cells in vitro.  
AUTHOR: Gatanaga T; Hwang C D; Gatanaga M; Cappuccini F; Yamamoto R S; Granger G A  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.  
SOURCE: CELLULAR IMMUNOLOGY, (1991 Nov) 138 (1) 1-10.  
Journal code: 1246405. ISSN: 0008-8749.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199111  
ENTRY DATE: Entered STN: 19920124

L16 ANSWER 33 OF 38 MEDLINE DUPLICATE 22  
ACCESSION NUMBER: 91062364 MEDLINE  
DOCUMENT NUMBER: 91062364 PubMed ID: 2174164  
TITLE: Purification and characterization of an inhibitor (soluble tumor necrosis factor receptor) for tumor necrosis factor and lymphotoxin obtained from the serum ultrafiltrates of human cancer patients.  
AUTHOR: Gatanaga T; Hwang C D; Kohr W; Cappuccini F; Lucci J A 3rd; Jeffes E W; Lentz R; Tomich J; Yamamoto R S;  
CORPORATE SOURCE: Granger G A Department of Molecular Biology and Biochemistry, University of California, Irvine 92717.  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1990 Nov) 87 (22) 8781-4. Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199101  
ENTRY DATE: Entered STN: 19910222  
Last Updated on STN: 19910222  
Entered Medline: 19910110

L16 ANSWER 34 OF 38 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 90149725 EMBASE  
DOCUMENT NUMBER: 1990149725  
TITLE: Molecular cloning and expression of a receptor for human tumor necrosis factor.  
AUTHOR: Schall T.J.; Lewis M.; Koller K.J.; Lee A.; Rice G.C.; Wong G.H.W.; Gatanaga T.; Granger G.A.; Lentz R.; Raab H.; Kohr W.J.; Goeddel D.V.  
CORPORATE SOURCE: Department of Molecular Biology, Genentech Inc., 460 Pt. San Bruno Boulevard, San Francisco, CA 94080, United States  
SOURCE: Cell, (1990) 61/2 (631-370). ISSN: 0092-8674 CODEN: CELLB5  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 029 Clinical Biochemistry  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L16 ANSWER 35 OF 38 MEDLINE DUPLICATE 23  
ACCESSION NUMBER: 90235285 MEDLINE  
DOCUMENT NUMBER: 90235285 PubMed ID: 2158863  
TITLE: Molecular cloning and expression of a receptor for human tumor necrosis factor.  
AUTHOR: Schall T J; Lewis M; Koller K J; Lee A; Rice G C; Wong G H;  
Gatanaga T; Granger G A; Lentz R; Raab H;  
CORPORATE SOURCE: + Department of Molecular Biology, Genentech, Inc., South San Francisco, California 94080.  
SOURCE: CELL, (1990 Apr 20) 61 (2) 361-70. Journal code: 0413066. ISSN: 0092-8674.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-M33294  
ENTRY MONTH: 199006  
ENTRY DATE: Entered STN: 19900706  
Last Updated on STN: 19970203  
Entered Medline: 19900601

L16 ANSWER 36 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1991:152992 BIOSIS  
DOCUMENT NUMBER: BR40:72597  
TITLE: PURIFICATION AND CHARACTERIZATION OF TNF-LT BLOCKING FACTORS IN THE SERUM AND ULTRAFILTRATES OF HUMAN CANCER PATIENTS.  
AUTHOR(S): GATANAGA T; HWANG C; TOMICH J; LENTZ R; KORR B;  
GRANGER G A  
CORPORATE SOURCE: DEP. MOLECULAR BIOL. AND BIOCHEM., UNIV. CALIF. IRVINE, IRVINE, CALIF. 92717, USA.  
SOURCE: 15TH INTERNATIONAL CANCER CONGRESS, HAMBURG, GERMANY, AUGUST 16-22, 1990. J CANCER RES CLIN ONCOL, (1990) 116 (SUPPL PART 1), 277.  
CODEN: JCROD7. ISSN: 0171-5216.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 37 OF 38 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1990:483174 BIOSIS  
DOCUMENT NUMBER: BR39:107195  
TITLE: ALTERATION OF PLASMA COMPONENTS FOR IMMUNE SYSTEM ACTIVATION.  
AUTHOR(S): LENTZ M R; GRANGER G A; TOMICH J; TUCKER E;  
GATANAGA T; HUBBARD W  
CORPORATE SOURCE: JOHN F. KENNEDY MEMORIAL HOSP., INDIO, CALIF. 92201.  
SOURCE: SYMPOSIUM ON TISSUE ENGINEERING HELD AT THE 19TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, APRIL 6-12, 1990. J CELL BIOCHEM SUPPL, (1990) 0 (14 PART E), 241.  
CODEN: JCBSD7.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L16 ANSWER 38 OF 38 MEDLINE DUPLICATE 24  
ACCESSION NUMBER: 90250966 MEDLINE  
DOCUMENT NUMBER: 90250966 PubMed ID: 2187118  
TITLE: Identification of TNF-LT blocking factor(s) in the serum and ultrafiltrates of human cancer patients.  
AUTHOR: Gatanaga T; Lentz R; Masunaka I; Tomich J; Jeffes E W 3rd; Baird M; Granger G A  
CORPORATE SOURCE: Department of Molecular Biology and Biochemistry, University of California, Irvine.  
SOURCE: LYMPHOKINE RESEARCH, (1990 Summer) 9 (2) 225-9.  
Journal code: 8308208. ISSN: 0277-6766.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: (CLINICAL TRIAL)  
LANGUAGE: Journal; Article; (JOURNAL ARTICLE)  
FILE SEGMENT: English  
ENTRY MONTH: Priority Journals  
199006  
ENTRY DATE: Entered STN: 19900720  
Last Updated on STN: 19900720  
Entered Medline: 19900619

=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE

ENTRY

91.73

TOTAL

SESSION

91.94

SINCE FILE

ENTRY

-1.24

TOTAL

SESSION

-1.24

STN INTERNATIONAL LOGOFF AT 10:35:59 ON 16 SEP 2002

## 09752639 Results

SEQ ID NO: 9

## SUMMARIES

Result No.	Query					Description
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3	1063.6	89.6	2538	88	AF110322	AF110322 Homo sapi
4	1062	89.5	2262	89	AK000260	AK000260 Homo sapi
c 5	1004.4	84.6	70452	93	HSJ854E16	AL121723 Human DNA
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7	610.8	51.5	1892	94	BC002318	BC002318 Mus muscu
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9	372.4	31.4	135505	85	AC004477	AC004477 Homo sapi
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c 11	106.4	9.0	127	54	G59781	G59781 SHGC-130371
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13	69.8	5.9	4385	2	BSPD3	Y16849 Thermobacil
c 14	69.6	5.9	51381	78	AF322456	AF322456 Homo sapi
c 15	69	5.8	2487	3	HMY16851	Y16851 Haloarcula
c 16	69	5.8	4518	56	XXU37573	U37573 Shuttle exp
17	69	5.8	11866	3	MTH243656	AJ243656 Methanoba
c 18	69	5.8	13404	78	AF322452	AF322452 Homo sapi
c 19	68.8	5.8	27810	65	AC018272	AC018272 Drosophil
20	68.8	5.8	89791	4	AC005268	AC005268 Drosophil
21	68.8	5.8	164035	4	AC007888	AC007888 Drosophil
c 22	68.8	5.8	305020	4	AE003452	AE003452 Drosophil
23	65	5.5	582	8	LLACMSAT2	X99056 L.lagopus A
24	64.2	5.4	211126	62	AC011767	AC011767 Homo sapi
25	64	5.4	397	8	LLACMSAT1	X99052 L.lagopus A
26	64	5.4	409	7	LLY16299	Y16299 Lutra lutra
27	64	5.4	501	8	LLTGMSAT3	X99058 L.lagopus T
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37	61.6	5.2	3109	10	E58348	E58348 Nucleic aci
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RESULT 9

AC004477

LOCUS AC004477 135505 bp DNA PRI 29-OCT-1998  
 DEFINITION Homo sapiens chromosome 17, clone HRPC890E16, complete sequence.  
 ACCESSION AC004477  
 VERSION AC004477.1 GI:3688107  
 KEYWORDS HTG.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 135505)  
 AUTHORS Birren,B., Linton,L., Nusbaum,C. and Lander,E.  
 TITLE Homo sapiens chromosome 17, clone HRPC890E16

**JOURNAL** Unpublished  
**REFERENCE** 2 (bases 1 to 135505)  
**AUTHORS** Birren,B., Fasman,K., McKernan,K., Nusbaum,C., Richardson,P., Lander,E., Allen,N., Baker,J., Baldwin,J., Barna,N., Beckerly,R., Benn,J., Boatman,C., Boutwell,C., Brown,A., Byrne,S., Cantu,C., Castle,A., Cerny,J., Cooke,P., Daly,M.J., Depayre,E., Devon,K., Dewar,K., Donelan,L., DuRette,B., Etemadi,S., Ferreira,P., FitzHugh,W., Forrest,C., Funke,R., Gage,D., Gardyna,S., Gensheimer,S., Geraigery,K., Gilmartin,T., Grant,G., Gray,D., Hagos,B., Harris,K., Horton,L., Howland,J.C., Hui,L., Jacotot,L., Kann,L., Linton,L., Macdonald,P., Marquis,N., McEwan,P., McGurk,A., Meldrim,J., Molla,M., Morris,W., Morrow,J., Nachman,A., Nahf,R., Naylor,J., O'Connor,T., Pavlin,B., Peterson,K., Riley,R., Roberts,D., Rollins,G., Rossello,R., Roy,A., Shyam,R., Stange-Thomann,N., Stilwell,J., Stone,C., Strickland,C., Subramanian,A., Sydney,K., Tang,L., Vassiliev,H., Vo,A., Wagner,A., Wang,B., Wheeler,J., Wu,Y., Ye,W.J., Zhao,J. and Zody,M.  
**TITLE** Direct Submission  
**JOURNAL** Submitted (26-MAR-1998) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA  
**REFERENCE** 3 (bases 1 to 135505)  
**AUTHORS** Birren,B., Linton,L., Nusbaum,C., Lander,E., Allen,N., Anderson,M., Baker,J., Baldwin,J., Barna,N., Beckerly,R., Benn,J., Boutwell,C., Brown,A., Castle,A., Cerny,J., Colangelo,M., Collins,S., Collymore,A., Cooke,P., Corliss,D., Depayre,E., Devon,K., Dewar,K., Donelan,L., Ferreira,P., FitzHugh,W., Forrest,C., Funke,R., Gage,D., Gardyna,S., Geraigery,K., Grant,G., Hagos,B., Heaford,A., Herena,L., Horton,L., Howland,J.C., Jacotot,L., Jones,C., Kann,L., Karatas,A., Lehoczky,J., Macdonald,P., Marquis,N., McEwan,P., McGurk,A., McKernan,K., Meldrim,J., Molla,M., Morris,W., Morrow,J., Mychaleckyj,J., Nahf,R., Naylor,J., Niloff,M., O'Connor,T., O'Donnell,P., Pavlin,B., Peterson,K., Riley,R., Roberts,D., Roy,A., Severy,P., Stange-Thomann,N., Stilwell,J., Stojanovic,N., Stone,C., Subramanian,A., Tesfaye,S., Tichovolsky,N., Torruella-Miller,I., Vassiliev,H., Vo,A., Wagner,A., Wheeler,J., Wu,Y., Wyman,D., Ye,W.J., Zhao,J. and Zody,M.  
**TITLE** Direct Submission  
**JOURNAL** Submitted (02-OCT-1998) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA  
**REFERENCE** 4 (bases 1 to 135505)  
**AUTHORS** Birren,B., Linton,L., Nusbaum,C., Lander,E., Allen,N., Anderson,M., Baker,J., Baldwin,J., Barna,N., Beckerly,R., Benn,J., Boutwell,C., Brown,A., Castle,A., Cerny,J., Colangelo,M., Collins,S., Collymore,A., Cooke,P., Corliss,D., Depayre,E., Devon,K., Dewar,K., Donelan,L., Ferreira,P., FitzHugh,W., Forrest,C., Funke,R., Gage,D., Gardyna,S., Geraigery,K., Grant,G., Hagos,B., Heaford,A., Herena,L., Horton,L., Howland,J.C., Jacotot,L., Jones,C., Kann,L., Karatas,A., Lehoczky,J., Macdonald,P., Marquis,N., McEwan,P., McGurk,A., McKernan,K., Meldrim,J., Molla,M., Morris,W., Morrow,J., Mychaleckyj,J., Nahf,R., Naylor,J., Niloff,M., O'Connor,T., O'Donnell,P., Pavlin,B., Peterson,K., Riley,R., Roberts,D., Roy,A., Severy,P., Stange-Thomann,N., Stilwell,J., Stojanovic,N., Stone,C., Subramanian,A., Tesfaye,S., Tichovolsky,N., Torruella-Miller,I., Vassiliev,H., Vo,A., Wagner,A., Wheeler,J., Wu,Y., Wyman,D., Ye,W.J., Zhao,J. and Zody,M.  
**TITLE** Direct Submission  
**JOURNAL** Submitted (29-OCT-1998) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA  
**COMMENT** On Oct 2, 1998 this sequence version replaced gi:3687291.  
All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997)  
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>.  
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Qy	687	CAGCTGCTGGCTTGAAGAAAGAGCTGATGGTGAGAAGCAGCAGGAGGCACTTGAGGAG	746
Db	25335	CAGCTGCTGGCTTGAAGAAAGAGCTGATGGTGAGAAGCAGCAGGAGGCACTTGAGGAG	25394
Qy	747	CAGGCGGCTCTGGAGCCTAACGCTGGACCTGCTACTGGAGAAGACCAAGGAGCTGCAGAAG	806
Db	25395	CAGGCGGCTCTGGAGCCTAACGCTGGACCTGCTACTGGAGAAGACCAAGGAGCTGCAGAAG	25454
Qy	807	CT-----	808
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Qy	809	-----GATTGAAGCTGACATC	824
Db	25515	GCCCTGAGCACCCCTGCTCTGCCACTTGGTATCACTCTTCAGATTGAAGCTGACATC	25574

Qy	825	TCCAAGAGGTACAGGGCGCCCTGTGAACCTGATGGAAACCTCTCTGTGACACCCTCG 884 	
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Qy	945	TTGGGGCCCTTCAGGCAAAAGACCAGGCTGACTTGGAGATGAAAGGCCACAGGAAGGAA 1004 	
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Qy	1065	GCCCTGTGGTCTATCAGCGAAAACCACAGATTCTCCTCTAGTTAGTATAGCGCA 1120 	
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DEFINITION human STS WI-11758, sequence tagged site.  
ACCESSION G22793  
VERSION G22793.1 GI:1343119  
KEYWORDS STS; STS sequence; primer; sequence tagged site.  
SOURCE human STSs derived from sequences in dbEST and the Unigene collection.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 405)  
AUTHORS Hudson,T.  
TITLE Whitehead Institute/MIT Center for Genome Research; Physically  
Mapped STSs  
JOURNAL Unpublished (1995)  
COMMENT  
Contact: Thomas Hudson  
Whitehead Institute/MIT Center for Genome Research  
Whitehead Institute for Biomedical Research  
9 Cambridge Center, Cambridge MA 02142 USA  
Tel: 617 252 1900  
Fax: 617 252 1902  
Email: thudson@genome.wi.mit.edu  
  
Primer A: TTTTCCTCTTTATTAAGTCCGC  
Primer B: TGATGGTGATCTTGGCACTC  
STS size: 127  
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    PCR Cycles: 35  
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Derived from dbEST (genbank accession R12670).

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 Matches 356; Conservative 0; Mismatches 9; Indels 3; Gaps 2;  
  
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 Qy     814 AAGCTGA-CATCTCCAAGAGGTACAGCGGGCGCCCTGTGAACCTGATGGGAACCTCTCG 872  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db     340 AAGCTGACCATCTCCAANAGGTACAGCGGGCGCCCTGTGAACCTGATGGGAACCTCTCG 281  
  
 Qy     873 TGACACCCCTCCGTGTTCTTGCCTGCCATCTTCCTCCGTTTGGGATGAAGATGATAGCC 932  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db     280 TGANACCCCTCCGTGNTCTTGCCTGCCATCTTCCTCCGTTTGGGATGAAGATGATAGCC 221  
  
 Qy     933 AGGGCTGTTGTTGGGCCCTCAAGGCAAAAGACCAGGCTGACTGGAAGATGGAAAGC 992  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db     220 AGGGCTGTTGTTGGGCCCTCAAGGCAAAAGACCAGGCTGACTGGAAGATGGAAAGC 161  
  
 Qy     993 CACAGGAAGGAAGCGGCACCTGATGGTGATCTGGCACTCTCCATGTTCTACAAGAAG 1052  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db     160 CACAGGAAGGAAGCGGCACCTGATGGTGATCTGGCACTCTCCATGTTCTACAAGAAG 101  
  
 Qy     1053 CTGTGGTGATTGGCCCTGTGGCTATCAGGCAAAACCACAGATTCTCCTCTAGTTAGT 1112  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db     100 CTGTGGTGATTGGCCCTGTGGCTATCAGGCAAAACCACAGATTCTCCTCTAGTTAGT 41  
  
 Qy     1113 ATAGCGCA 1120  
 ||||| |  
 Db     40 ATAGCGGA 33

#### SUMMARIES

Result	Query					Description
	No.	Score	Match	Length	DB	
	1	1187	100.0	1187	21	AAZ38861 Human Jurkat cell
	2	1065.2	89.7	2092	22	AAF33134 Human secreted pro
	3	692.2	58.3	3693	21	AAZ33335 Human secreted pro
c	4	106	8.9	127	19	AAX10455 Human biallelic po
	5	99.4	8.4	137	16	AAT19732 Human gene signatu
	6	70.2	5.9	3306	21	AAZ38862 Human Jurkat cell
	7	70	5.9	260	21	AAA45838 Human secreted exp
	8	69	5.8	1777	19	AAV71214 DNA encoding ester
	9	69	5.8	1924	19	AAV71216 DNA encoding ester
	10	69	5.8	2315	19	AAV71206 DNA encoding ester
c	11	69	5.8	4518	19	AAV33626 Plasmid pBK-CMV DN
	12	67.4	5.7	451	21	AAC93441 Human secreted pro
c	13	66.8	5.6	477	18	AAT69215 Lawsonia intracell
	14	66	5.6	1555	21	AAA79581 Pinus radiata cell
c	15	64	5.4	1007	22	AAF25818 C. glutamicum phos
	16	63.4	5.3	854	21	AAA26327 Human secreted pro
	17	62.4	5.3	629	21	AAC98318 Human colon cancer
	18	62.4	5.3	4382	19	AAV59104 Zebrafish differen
	19	61.6	5.2	597	21	AAC79854 Human secreted pro
	20	61.6	5.2	1337	21	AAC60042 Human secreted pro
	21	61.6	5.2	1337	22	AAF26551 DNA encoding human

22	61.6	5.2	2109	22	AAD02809	HBXDJ03 cDNA clone	
23	61.6	5.2	3109	21	AAZ24477	H. virescens acety	
24	61.6	5.2	3700	21	AAZ24476	H. virescens acety	
25	61.6	5.2	4595	19	AAV59106	Zebrafish differen	
26	61.4	5.2	770	21	AAA26389	Human secreted pro	
27	61.4	5.2	1020	20	AAX35889	cDNA encoding a pr	
28	60.8	5.1	1300	21	AAC79850	Human secreted pro	
C	29	60.6	5.1	1048	20	AAX35890	cDNA encoding a pr
	30	60.4	5.1	423	21	AAC56254	Pinus radiata tran
	31	60.2	5.1	386	21	AAC57162	Pinus radiata tran
	32	60.2	5.1	412	21	AAC57164	Pinus radiata tran
	33	60.2	5.1	2744	16	AAQ98470	MiSP1-containing p
	34	59.8	5.0	5762	20	AAZ23938	T. versicolor lacc
	35	59.6	5.0	2730	20	AAX84696	Human metastatic m
	36	59.4	5.0	859	21	AAC79869	Human secreted pro
	37	59.4	5.0	2004	18	AAT85356	Nephila clavipes s
	38	59	5.0	6139	21	AAZ40023	Interleukin-12 fus
C	39	58.4	4.9	247	18	AAT69330	Murine metastatic
	40	58.4	4.9	855	18	AAT69210	Lawsonia intracell
	41	58.2	4.9	568	20	AAZ27236	Human secreted pro
	42	58.2	4.9	1160	21	AAA79694	Pinus radiata cell
	43	58.2	4.9	5954	19	AAV59105	Zebrafish differen
	44	58	4.9	673	20	AAX39799	Gastric cancer ass
	45	57.6	4.9	1182	21	AAA78424	Human secreted pro

RESULT 4  
AAX10455/c  
ID AAX10455 standard; DNA; 127 BP.  
XX  
AC AAX10455;  
XX  
DT 30-MAR-1999 (first entry)  
XX  
DE Human biallelic polymorphic DNA fragment WI-11758.  
XX  
KW Polymorphism; biallelic; human; forensic; paternity testing; disease;  
KW detection; phenotypic typing; characteristic; infection; hereditary;  
KW autoimmune disease; cancer; inflammation; drug; therapy; medicament;  
KW treatment; marker; ss.  
XX  
OS Homo sapiens.  
XX  
PN WO9820165-A2.  
XX  
PD 14-MAY-1998.  
XX  
PF 05-NOV-1997; 97WO-US20313.  
XX  
PR 06-NOV-1996; 96US-0030455.  
XX  
PA (WHED ) WHITEHEAD INST BIOMEDICAL RES.  
XX  
PI Hudson T, Lander ES, Wang D;  
XX  
DR WPI; 1998-286974/25.  
XX  
PT New isolated nucleic acid segments from the human genome - used for  
PT determining polymorphic forms for use in e.g. forensics, paternity  
PT testing or phenotypic typing for disease  
XX  
PS Claim 1; Page 52; 310pp; English.  
XX  
CC AAX10269-X12937 are human DNA fragments which contain biallelic  
CC polymorphic markers which have been isolated using the primers  
CC represented in AAX09121-X10268. The base occupying the polymorphic site  
CC is indicated by the appropriate IUPAC-IUB ambiguity code. These fragments  
CC can be used in methods for determining polymorphic forms in an individual  
CC for use in e.g. forensics, paternity testing or for phenotypic typing for

CC diseases such as agammaglobulinemia, diabetes insipidus, Lesch-Nyhan  
CC syndrome, muscular dystrophy, Wiskott-Aldrich syndrome, Fabry's disease,  
CC familial hypercholesterolemia, polycystic kidney disease, hereditary  
CC spherocytosis, von Willebrand's disease, tuberous sclerosis, hereditary  
CC haemorrhagic telangiectasia, familial colonic polyposis, Ehlers-Danlos  
CC syndrome, osteogenesis imperfecta, acute intermittent porphyria,  
CC autoimmune diseases, inflammation, cancer, diseases of the nervous  
CC system, infection by pathogenic microorganisms, and characteristics such  
CC as longevity, appearance (e.g. baldness, obesity), strength, speed,  
CC endurance, fertility, and susceptibility or receptivity to particular  
CC drugs or therapeutic treatments. The isolated polymorphic nucleic acid  
CC segments can also be used to produce medicaments for the treatment or  
CC prophylaxis of such diseases.

XX

SQ Sequence 127 BP; 35 A; 30 C; 25 G; 36 T; 1 other;

Query Match 8.9%; Score 106; DB 19; Length 127;  
Best Local Similarity 98.1%; Pred. No. 5.9e-17;  
Matches 106; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 1013 TGATGGTGTACTTGGCACTCTCCATGTTCTACAAGAAGCTGTGGTGATTGCCCTGTG 1072  
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
Db 127 TGATGGTGTACTTGGCACTCTCCATGTTCTACAAGAAGCTGTGGTGATTGCCCTGTG 68  
  
Qy 1073 GTCTATCAGGC GAAAACCACAGATTCTCCTTCTAGTTAGTATAGCGCA 1120  
|||:|||||:|||||:|||||:|||||:|||||:  
Db 67 GTCTAYCAGGC GAAAACCACAGATTCTCCTTCTAGTTAGTATAGCGGA 20

RESULT 5  
AAT19732  
ID AAT19732 standard; cDNA to mRNA; 137 BP.  
XX  
AC AAT19732;  
XX  
DT 05-JUL-1996 (first entry)  
XX  
DE Human gene signature HUMGS00806.  
XX  
KW Gene signature; messenger RNA; mRNA; relative abundance; frequency;  
KW human; cloning; mapping; non-biased library; diagnosis; detection;  
KW cell typing; abnormal cell function; ss.  
XX  
OS Homo sapiens.  
XX  
PN WO9514772-A1.  
XX  
PD 01-JUN-1995.  
XX  
PF 11-NOV-1994; 94WO-JP01916.  
XX  
PR 12-NOV-1993; 93JP-0355504.  
XX  
PA (MATS/) MATSUBARA K.  
PA (OKUB/) OKUBO K.  
XX  
PI Matsubara K, Okubo K;  
XX  
DR WPI; 1995-206931/27.  
XX  
PT Identifying gene signatures in 3'-directed human cDNA library - e.g.  
PT for diagnosis of abnormal cell function, by preparing cDNA that  
PT reflects relative abundance of corresp. mRNA in specific human  
PT tissues  
XX  
PS Claim 1; Page 459; 2245pp; Japanese.  
XX  
CC A single-stranded DNA (or its complementary strand or the corresp.

CC double-stranded DNA) which comprises one of the 7837 "GS" sequences  
 CC given in AAT19001-T26837 and which is able to hybridise to part of  
 CC human genomic DNA, cDNA or mRNA is claimed. The GS (Gene Signature)  
 CC sequences were obtained from 3'-directed cDNA libraries prepared  
 CC from various human tissues; synthesis of cDNA was initiated from the  
 CC 3'-end of mRNA by using poly(T) as the sole primer. Since the 3'-  
 CC untranslated sequence is unique to a particular mRNA species, almost  
 CC all the 3'-oriented cDNAs hybridise with specific mRNAs. Each library  
 CC is constructed so as to reflect accurately the relative abundance of  
 CC different mRNAs in the particular tissue from which it was derived.  
 CC The appearance frequency of a given GS in a cDNA library can be  
 CC determined (esp. using primers and probes derived from the GS  
 CC sequences) as a means of diagnosing abnormal cell function or for  
 CC recognising different cell types.  
 XX  
 SQ Sequence 137 BP; 40 A; 29 C; 29 G; 39 T; 0 other;

```

Query Match          8.4%;  Score 99.4;  DB 16;  Length 137;
Best Local Similarity 99.0%;  Pred. No. 2.5e-15;
Matches 100;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

Qy  1020 GATCTTGGCACTCTCCATGTTCTACAAGAAGCTGTGGTGATTGCCCTGGTCTATC 1079
     ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db   1 gatcttggcacttcatgttctacaagaagctgtggtgattgccctgtggtctatc 60

Qy  1080 AGGCAGAAAACCACAGATTCTCCTCTAGTTAGTATAGCGCA 1120
     ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db   61 aggcgaaaaccacagattctcctctagtttagtatacgcca 101
  
```

Issued:

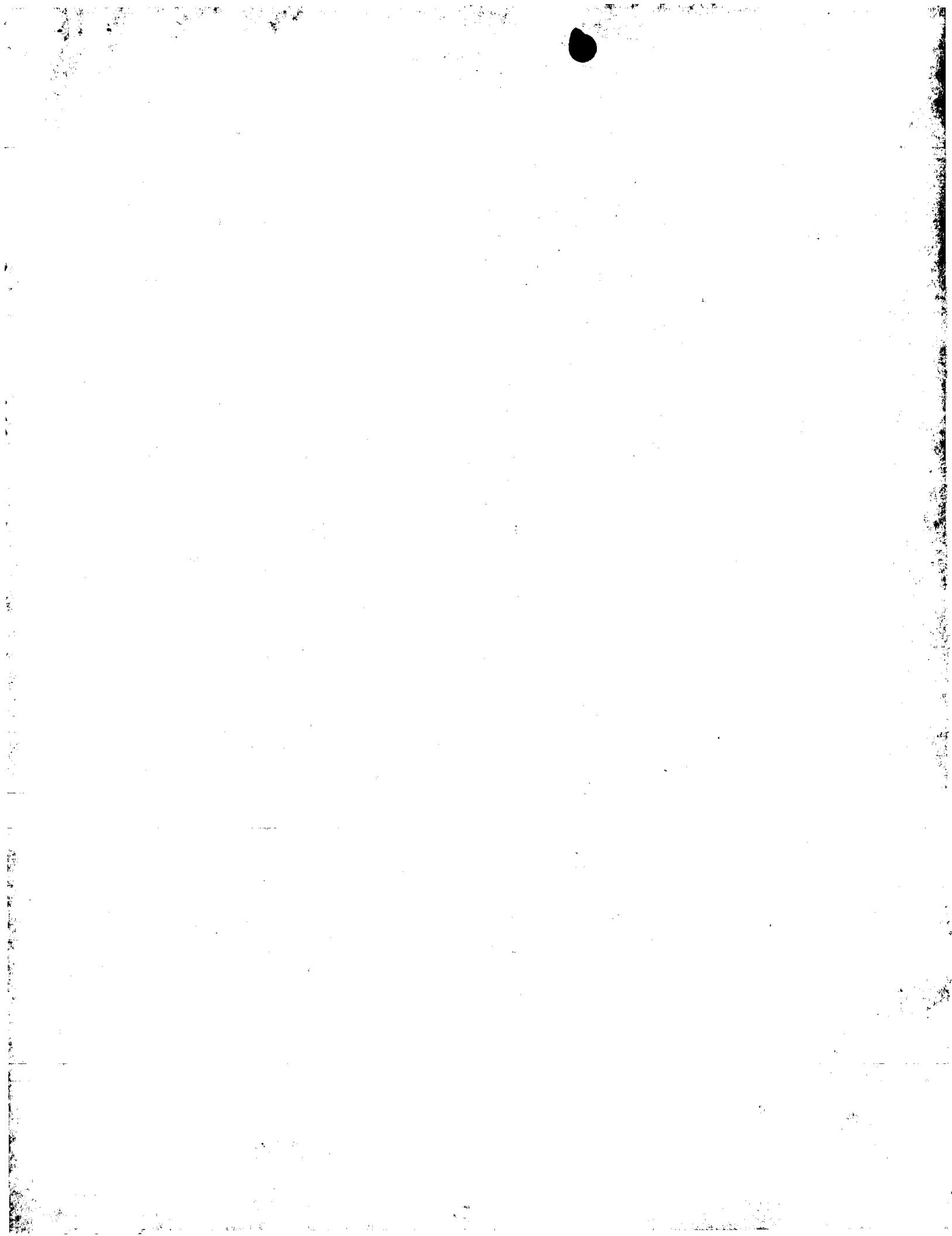
#### SUMMARIES

Result	Query					Description
	No.	Score	Match	Length	DB ID	
1	69	5.8	1777	4	US-09-058-260-25	Sequence 25, Appl
2	69	5.8	1924	4	US-09-058-260-29	Sequence 29, Appl
3	69	5.8	2315	4	US-09-058-260-9	Sequence 9, Appli
4	60.2	5.1	2793	1	US-08-209-747-1	Sequence 1, Appli
5	60.2	5.1	2793	1	US-08-458-298-1	Sequence 1, Appli
6	59	5.0	6139	2	US-08-751-767A-7	Sequence 7, Appli
7	58.4	4.9	247	1	US-08-594-031-103	Sequence 103, App
8	56	4.7	2504	2	US-08-946-412-1	Sequence 1, Appli
9	55.4	4.7	9542	4	US-08-968-685A-9	Sequence 9, Appli
10	54.2	4.6	1397	3	US-09-188-930-231	Sequence 231, App
11	54	4.5	624	2	US-08-713-000-9	Sequence 9, Appli
12	54	4.5	624	2	US-08-975-316-9	Sequence 9, Appli
13	54	4.5	624	4	US-09-211-710-9	Sequence 9, Appli
14	54	4.5	684	2	US-08-975-316-45	Sequence 45, Appl
15	54	4.5	1785	2	US-08-975-316-48	Sequence 48, Appl
16	53.4	4.5	480	3	US-09-188-930-206	Sequence 206, App
17	53.4	4.5	2580	3	US-09-050-863-2	Sequence 2, Appli
18	53.4	4.5	3489	2	US-08-728-323A-1	Sequence 1, Appli
c 19	53.4	4.5	5452	2	US-09-130-114-1	Sequence 1, Appli
20	53.4	4.5	9600	4	US-08-910-647-1	Sequence 1, Appli
21	53.4	4.5	10596	1	US-07-884-811-15	Sequence 15, Appl
22	53.4	4.5	10596	1	US-07-885-971-15	Sequence 15, Appl
23	53.4	4.5	10596	1	US-08-087-783A-15	Sequence 15, Appl
24	53.4	4.5	10596	1	US-08-194-088B-15	Sequence 15, Appl
25	53.4	4.5	10596	2	US-08-194-087-15	Sequence 15, Appl
26	53.4	4.5	10596	5	PCT-US93-04648-15	Sequence 15, Appl
c 27	53.4	4.5	32207	2	US-08-770-379-20	Sequence 20, Appl
c 28	53.4	4.5	32207	4	US-08-757-669A-20	Sequence 20, Appl
29	52.4	4.4	1280	3	US-09-188-930-246	Sequence 246, App
30	52	4.4	203	4	US-09-043-303-7	Sequence 7, Appli
31	51.6	4.3	2338	1	US-08-425-069-1	Sequence 1, Appli
32	51.6	4.3	2338	2	US-08-317-844B-1	Sequence 1, Appli

c	33	51.6	4.3	16442	3	US-08-781-891-208	Sequence 208, App
c	34	51.4	4.3	562	2	US-08-975-316-53	Sequence 53, Appl
c	35	51.2	4.3	397	3	US-09-253-691-3	Sequence 3, Appli
c	36	50.8	4.3	758	2	US-08-927-722-1	Sequence 1, Appli
c	37	50	4.2	154	1	US-08-469-802B-6	Sequence 6, Appli
c	38	50	4.2	154	2	US-08-267-803B-6	Sequence 6, Appli
c	39	50	4.2	2214	3	US-08-864-038A-1	Sequence 1, Appli
c	40	50	4.2	3331	3	US-08-864-038A-2	Sequence 2, Appli
c	41	50	4.2	3331	3	US-08-864-038A-4	Sequence 4, Appli
c	42	49.8	4.2	195	1	US-08-469-802B-2	Sequence 2, Appli
c	43	49.8	4.2	195	2	US-08-267-803B-2	Sequence 2, Appli
c	44	49.8	4.2	234	1	US-08-469-802B-3	Sequence 3, Appli
c	45	49.8	4.2	234	2	US-08-267-803B-3	Sequence 3, Appli

### SUMMARIES

Result	Query					Description
	No.	Score	Match	Length	DB ID	
c 1	986.2	83.1	995	106	AL573636	AL573636 AL573636
c 2	963.6	81.2	1020	105	AL524028	AL524028 AL524028
c 3	957.4	80.7	971	106	AL532725	AL532725 AL532725
c 4	916	77.2	922	106	AL582883	AL582883 AL582883
c 5	911.2	76.8	997	106	AL574296	AL574296 AL574296
c 6	892.6	75.2	908	106	AL572499	AL572499 AL572499
c 7	889.8	75.0	930	106	AL581599	AL581599 AL581599
c 8	885.4	74.6	904	106	AL580926	AL580926 AL580926
c 9	883.2	74.4	944	106	AL568215	AL568215 AL568215
c 10	875.2	73.7	950	106	AL575770	AL575770 AL575770
c 11	860.6	72.5	879	106	AL536824	AL536824 AL536824
c 12	860.4	72.5	893	106	AL549390	AL549390 AL549390
c 13	821	69.2	875	106	AL563367	AL563367 AL563367
c 14	807	68.0	884	106	AL550145	AL550145 AL550145
c 15	730.6	61.6	769	106	AL578135	AL578135 AL578135
c 16	726.4	61.2	866	106	AL572811	AL572811 AL572811
c 17	720	60.7	909	106	AL567329	AL567329 AL567329
c 18	689.2	58.1	872	106	AL563368	AL563368 AL563368
c 19	680.4	57.3	831	106	AL570881	AL570881 AL570881
c 20	669.2	56.4	957	172	BF980699	BF980699 602303734
c 21	667.4	56.2	838	171	BF967791	BF967791 602287226
c 22	627.4	52.9	696	115	AW411314	AW411314 fh11f01.y
c 23	606	51.1	700	155	BG572002	BG572002 602592457
c 24	596.6	50.3	694	106	AL581189	AL581189 AL581189
c 25	586.8	49.4	627	114	AW337246	AW337246 xw82g01.x
c 26	584.2	49.2	940	106	AL575932	AL575932 AL575932
c 27	561.4	47.3	569	114	AW305004	AW305004 xv98c02.x
c 28	556.6	46.9	604	114	AW273163	AW273163 xr34e07.x
c 29	552.6	46.6	655	122	AW953956	AW953956 EST365921
c 30	548.8	46.2	582	106	AL567777	AL567777 AL567777
c 31	532.6	44.9	615	118	AW605330	AW605330 QV3-DT004
c 32	524	44.1	593	112	AW129472	AW129472 xe16b10.x
c 33	519.8	43.8	616	106	AL581551	AL581551 AL581551
c 34	509.6	42.9	560	19	AI347938	AI347938 qp60h02.x
c 35	509.4	42.9	547	138	BE646353	BE646353 7e85d03.x
c 36	508.8	42.9	548	173	BG058737	BG058737 naf09h08.
c 37	507.8	42.8	518	116	AW467330	AW467330 he09d05.x
c 38	505.6	42.6	533	116	AW473350	AW473350 xy15b04.x
c 39	502.8	42.4	527	166	BE349631	BE349631 ht58h04.x
c 40	502	42.3	535	165	BE245501	BE245501 TCBAP1D32
c 41	499.8	42.1	541	117	AW515953	AW515953 xy02h07.x
c 42	496	41.8	563	166	BE328026	BE328026 hu31h08.x
c 43	493.2	41.6	535	117	AW513876	AW513876 xo50e09.x
c 44	493	41.5	539	117	AW517499	AW517499 xq10e03.x
c 45	490	41.3	490	105	AL044787	AL044787 DKFZp434M



L Number	Hits	Search Text	DB	Time stamp
1	27	tnf same receptor same releasing same enzyme	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:24
2	10	(tnf same receptor same releasing same enzyme) and screen\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:27
3	2	gatanaga-t.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:27
4	5	granger-g.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/16 10:28